SONY
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DSC-W290/T

Cyber-shot® Digital Still Camera

Sony® Cyber-shot® DSC-W290 digital camera. Featuring Intelligent Auto mode, the W290 with a 28mm wide angle lens, automatically detects 8 scene conditions and selects the appropriate camera settings. Face Detection captures faces more naturally and helps prevent blur8. Also, now record high definition videos in 720p HD and enjoy your memories on your HDTV.

- 12.1 Megapixel Super HAD™ CCD Image Sensor:
  A powerful 12.1 megapixel 1/2.3" Super HAD™ CCD image sensor helps you capture gorgeous images with superb contrast and clarity down to the finest detail. With 12.1 megapixels, you can create stunning, photo-quality prints up to A3+ (13x19") size, or crop your images and still come away with high resolution shots.
- Carl Zeiss® Vario-Tessar® Lens with 5x Optical Zoom:
  The professional-quality Carl Zeiss® Vario-Tessar® 5x optical zoom lens brings distant subjects closer for great outdoor, sports, and travel photos.
- Wide angle lens:
  A 28mm wide angle lens shows more of the scene you're shooting, helping you capture more complete images when shooting indoor group portraits, expansive landscapes, or architectural scenes.
- 3.0" Clear Photo LCD™ display (230k pixels):
  "Generous 3.0"[1] (230K pixels) Clear Photo LCD™ display
  features sharp, natural color that makes it easy to compose shots, read menus, and view photos, even in bright sunlight."
- BIONZ™ image processor:
  The BIONZ™ image processor delivers the high resolution and fast performance you expect from a Sony® digital camera.
- Available in four sophisticated colors:
  Available in four sophisticated colors: silver, black, blue and bronze.
- Intelligent Auto Mode:
  Intelligent Auto (iAuto) mode goes beyond traditional auto settings by recognizing and adjusting to scene conditions and lighting, enhancing natural skin tones, and reducing blur. By incorporating advanced features such as Intelligent Scene Recognition, Face Detection, and Optical SteadyShot, iAuto lets you take advantage of the latest Sony Cyber-shot technology without leaving auto mode. Whether you're shooting expansive landscapes, capturing playground action, or taking pictures at a birthday party or wedding shower, iAuto will optimize your camera's settings to help ensure you come away with a great shot.
- HD Movie:
  Capture more of your memories in high definition (720p) video. Record HD movies in 720p high definition MPEG4 format for stunning large-screen home movie playback. Record up to 29 min in 720p format (or up to 2GB) per movie6.
- Intelligent Scene Recognition:
  Intelligent Scene Recognition (iSCN) Mode automatically detects eight different types of scenes conditions (Backlight, Backlight Portrait, Twilight, Twilight Portrait, Twilight using a Tripod, Portrait, Landscape, and Macro) and within 1/30th of a second selects the appropriate camera settings:. iSCN has 2 modes: Auto and Advanced. In Auto Mode, the camera takes a single shot using the optimal settings. In Advance Mode, the camera takes a photo with the standard automatic settings and, in difficult lighting (low light or back light) immediately takes a second photo with optimized setting so you can choose which to keep.
- Face Detection technology:
  : Face Detection technology detects up to eight individual faces and controls flash, focus, exposure, and white balance to deliver accurate, natural skin tones with reduced red-eye. It can also give priority to children or adults. Newly added Face Motion Detection adjusts ISO sensitivity and accelerates the shutter speed when facial movement is detected, reducing blur in the subjects face.

ADDITIONAL FEATURES

- Selected Face Memory:
- Anti-blink Function:
- Red-eye Reduction:
- Smile Shutter™ Technology:
- Double Anti-blur Solution:
- High Sensitivity Mode (ISO 3200):
- Dynamic Range Optimizer Standard and Plus:
- Convenient Photo Modes:
- 9-Point Auto Focus:
- Burst Mode:
- Function Guide:
- Easy Shooting Mode:
- 16:9 High Resolution Mode:
- Memory Stick Duo™ Media Convenience:
- Stamina® Battery Power:
- Easy Image Management
- In-Camera Retouching Tools:
- Multi-purpose Resize function:
- HDTV Compatibility:
- PhotoTV HD:
- Wide Zoom display:
- PHOTOMUSIC feature:
- Picture Motion Browser ver. 4.2.02:

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Specifications

General

Megapixel: 12.1MP

Imaging Device: 1/2.3 type(7.79mm) Super HAD CCD

Recording Media: 11MB internal Flash Memory, optional Memory Stick Duo™ Media, optional Memory Stick PRO Duo™ Media

Convenience

White Balance: Auto / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / Underwater White Balance Mode (Auto, Underwater 1, Underwater 2, Flash)

Self Timer: Yes (10 seconds, 2 seconds, Off)

Memory Stick PRO™ Media Compatibility: Tested to support up to 16GB Memory Stick DUO PRO™ media capacity[1] ; does not support Access Control security function.

Still Image Mode(s): Normal (JPEG) / Burst (JPEG) / Bracketing (JPEG) - AE(Plus / Minus 0.3EV / 0.7EV / 1.0EV)

Red-Eye Reduction: Auto / On / Off

Burst Mode: Max 100 shots at approx. 1.8 fps

Date/Time Stamp: Available in the included PMB software.

Media/Battery Indicator: Yes/Yes

Color Mode(s): Normal / Vivid / Sepia / B&W

Dynamic Range Optimizer: Standard / Off / Plus

Scene Mode(s): Intelligent Auto / Easy Shooting / Program Auto / Movie (Auto Adjustment / High Sensitivity / Underwater) / Scenes (High Sensitivity / Twilight / Twilight Portrait / Soft Snap / Landscape / Beach / Snow / Fireworks / Hi-speed Shutter / Underwater / Gourmet)

Image Stabilization: Optical

Convenience Features

Histogram Display: Yes

Real Imaging Processor™ Technology: BIONZ™

AF Illuminator Light: Auto / Off

PictBridge Compatible: Yes

Multi-Pattern Measuring: Yes

NightShot® Infrared System: No

NightFraming System: No

Clear RAW NR: Yes

Movie Mode(s): 1280 x 720(Fine) (Approx.30fps, Progressive) / 1280 x 720(Standard) (Approx.30fps, Progressive) / 640(Fine) (VX Fine, 640 x 480, Approx.30fps)

Power Save Mode: Yes (after approx. 3 min. of inactivity)

In-Camera Editing: Trimming / Red Eye Correction / Soft Focus / Partial Color / Fisheye Lens / Cross Filter / Retro / Radial Blur / Unsharp Masking / Happy Faces

Inputs and Outputs

Accessory Terminal: Multi connector

Audio/Video Output(s): Yes via Mutli-Use Connector

USB Port(s): Yes - USB2.0 Hi-Speed

HD Output: Yes (1080i)

Hardware

LCD: 3.0"[1] Clear Photo LCD 230,400

Viewfinder: No

Lens Construction: 9 elements in 7 groups (including 3 aspheric elements, 1ED glass)

Microphone/Speaker: Mono / Mono

Lens Type: Carl Zeiss® Vario-Tessar®

Optics/Lens

Focal Length: 5.0-25.0mm

35mm Equivalent: 28-140mm

Focus: 9 points / Center Weighted AF / Spot AF / Semi Manual (1.0m / 3.0m / 7.0m / unlimited distance)

Aperture Range: Auto(F3.8/F8.0(W), 2 steps with ND Filter) / Program Auto(F3.8/F8.0(W), 2 steps with ND Filter)

Shutter Speed: Auto(2 - 1/1,600) / Program Auto (1 - 1/1,600)

Exposure Compensation: Plus / Minus 2.0EV, 1 / 3EV step

Filter Diameter: 46mm (with Lens Adapter)

Smart Zoom® Technology: 8M:Approx.6.1x (Total), 5M:Approx.7.7x(Total), 3M:Approx.9.8x(Total), VGA:Approx.31x(Total), 16:9(2M):Approx.10x(Total)

Digital Zoom: Smart Zoom / Precision Digital Zoom / Off

Optical Zoom: 5x

Macro Mode: Auto Macro / Macro On

Total Zoom: Approximately 10x

Face Detection: 8 face(flash, focus, exposure, white balance, child/adult priority, blink, face motion detection)

Control

ISO: Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200

Power

Battery Type: LITHIUM ION / InfoLITHIUM G type 3.6V

Battery Capacity: Approx. 150 minutes / Approx. 300 images

Software

Supplied Software: Picture Motion Browser Vers 4.2.02 + USB Driver (Not supported by Macintosh® Operating Systems)

Operating System Compatibility: Microsoft® 2000 Professional SP4, XP Home and Professional SP3; Vista SP1l; Macintosh® OS 9.1/9.2/OS X (10.1-10.5)

Processor

Bionz™ Engine: Yes

Operating Conditions

Flash Effective Range: ISO Auto: Approx.0.2-Approx.3.0m(Approx.0.66'-Approx.9.84')(W) / Approx.0.5-Approx.1.9m(Approx.1.64'-Approx.6.23')(T), ISO3200: up to Approx.6.1m(Approx.20.0')(W) / Approx.3.9m(Approx.12.8')(T)

Flash Mode(s): Auto / Flash On / Slow Syncro / Flash Off

Dimensions

Weight: Approx. 6.1oz. (174g) - With battery and Memory Stick media.

Measurements: 3 7/8" x 2 3/8" x 29/32" (97.6mm x 57.4mm x 22.6mm)

Service and Warranty Information

Limited Warranty Term: Limited 1 Year Parts & Labor

Supplied Accessories

Rechargeable Battery Pack NP-BG1

Battery Charger BC-CSD

Multi Connector Cable USB/AV

Wrist Strap

CD-ROM Software

Note: Memory Stick DUO ™ Media or adaptors are not included.

Optional Accessories

Accessory Kit (ACC-CLGB)

Rechargeable Lithium-Ion Battery (NP-BG1)

GPS Unit Kit (GPS-CS1KA)

Memory Stick PRO Duo™ Media (MSX-512S)

Memory Stick PRO Duo™ Media (MSX-1GST)

Memory Stick PRO Duo™ Media (MS-MT2G)

Memory Stick PRO Duo™ Media (MS-MT4G)

Memory Stick PRO Duo™ Media (MS-MT8G)

Memory Stick PRO Duo™ Media (MS-MT16G)

Memory Stick Duo™ Adaptor (MSAC-M2)

Memory Stick Duo™ USB Adaptor (MSAC-US40)

Color: Bronze

UPC Code: 027242749146

1.Viewable area, measured diagonally
2.Compatible BRAVIA® HDTV, HDMI or component cable (sold separately) required for PhotoTV HD viewing. Specifications of the BRAVIA HDTV shown vary according to market region.
3.Four preset music tracks stored ininternal memory. Imported music tracks can be up to five minutes long. When using Music Transfer to download music, tracks longer than five minutes will be reduced to five minutes when uploading to the Cyber-shot® camera.
4.Requires Windows 2000 Professional SP4, Windows XP SP2, or Windows Vista. Not supported by Mac OS.
5.HD Viewing requires an HD output adapter cable (VMC-MHC2), sold separately.
6.Maximum of 29 minutes continuous recording per video clips, limited to available capacity on storage media.
7.Under average conditions; when fully charged, actual results may vary based on camera settings and conditions of use.

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